

Author Index

- Aaron, J.J., see Pérez, R. 197
Akama, Y., see Tong, A. 11
Ali, A.
—, Shen, H. and Yin, X.
Simultaneous determination of trace amounts of nickel, copper and mercury by liquid chromatography coupled with flow-injection on-line derivatization and preconcentration 215
Almeida, C.M.R., see Vasconcelos, M.T.S.D. 115
Aubard, J., see Pérez, R. 197

Bahsas, H., see Gallignani, M. 57
Bao, L.
—, Tan, H., Duan, Q., Su, X. and Wei, W.
A rapid method for determination of *Staphylococcus aureus* based on milk coagulation by using a series piezoelectric quartz crystal sensor 139
Barahona, E., see Campos, E. 235
Benegas, J.C.
—, Cleven, R.F.M.J. and van den Hoop, M.A.G.T.
Potentiometric titration of poly(acrylic acid) in mixed counter-ion systems: Chemical binding of Cd ions 109
Brajter-Toth, A., see Regino, M. 253
Brunetto, M.R., see Gallignani, M. 57
Bruns, R.E., see Reis, C. 269
Burguera, J.L., see Gallignani, M. 57
Burguera, M., see Gallignani, M. 57

Campos, E.
—, Barahona, E., Lachica, M. and Mingorance, M.D.
A study of the analytical parameters important for the sequential extraction procedure using microwave heating for Pb, Zn and Cu in calcareous soils 235
Carlos de Andrade, J., see Reis, C. 269
Chen, C., see Zhu, L. 205
Chen, I.-L., see Zen, J.-M. 103
Chen, J.-L., see Liu, C.-Y. 225
Ci, Y.-x., see Zhu, L. 205
Cleven, R.F.M.J., see Benegas, J.C. 109

Daunert, S., see Ramanathan, S. 181
Daunert, S., see Ramanathan, S. 189
Duan, Q., see Bao, L. 139

Fane, A.G., see Yang, X.-J. 17
Fang, X., see Fang, Y. 39

Fang, Y.
—, Gong, F., Fang, X. and Fu, C.
Separation and determination of cyclodextrins by capillary electrophoresis with amperometric detection 39
Felidj, N., see Pérez, R. 197
Fernández de Córdova, M.L.
—, Ortega Barrales, P. and Molina Díaz, A.
Sensitive and selective determination of diclofenac sodium in pharmaceutical preparations by solid phase ultraviolet absorption spectrometry 263
Fu, C., see Fang, Y. 39

Głab, S., see Walcerz, I. 129
Gallignani, M.
—, Bahsas, H., Brunetto, M.R., Burguera, M., Burguera, J.L. and Petit de Peña, Y.
A time-based flow injection–cold vapor–atomic absorption spectrometry system with on-line microwave sample pre-treatment for the determination of inorganic and total mercury in urine 57
García-Ayuso, L.E., see Luque de Castro, M.D. 1
Gong, F., see Fang, Y. 39
Gu, R.-A., see Zhang, Y.-Q. 123

Hamilton-Taylor, J., see Lead, J.R. 171
Heineman, W.R., see Hu, Z. 93
Hu, Z.
—, Seliskar, C.J. and Heineman, W.R.
PAN-incorporated Nafion-modified spectroscopic graphite electrodes for voltammetric stripping determination of lead 93

Ikeda, S., see Motonaka, J. 87
Ishizuka, T., see Nakane, K. 79
Iyer, C.S.P., see Prasada Rao, T. 69

Janarthanan, C.
— and Mottola, H.A.
Enzymatic determinations with rotating bioreactors: Determination of glutamate in food products 147

Kageyama, S., see Motonaka, J. 87
Karthikeyan, S., see Prasada Rao, T. 69
Kindy, M.S., see Ramanathan, S. 181
Kluever, L.G., see van Staden, J.F. 157
Koncki, R., see Walcerz, I. 129

- Laassis, B., see Pérez, R. 197
- Lachica, M., see Campos, E. 235
- Laserna, J.J., see Pérez, R. 197
- Lead, J.R.
—, Hamilton-Taylor, J., Peters, A., Reiner, S. and Tipping, E.
Europium binding by fulvic acids 171
- Lee, N.-M., see Liu, C.-Y. 225
- Lewis, J.C., see Ramanathan, S. 181
- Li, J.
Effect of temperature on selectivity in reversed-phase liquid chromatography, a thermodynamic analysis 21
- Li, L., see Tong, A. 11
- Li, Y.-z., see Zhu, L. 205
- Liju, Y., see Qiong, C. 245
- Liu, C.-Y.
—, Lee, N.-M. and Chen, J.-L.
 γ -Aminobutyrohydroxamate resins as stationary phases of chelation ion chromatography 225
- Luque de Castro, M.D.
— and García-Ayuso, L.E.
Soxhlet extraction of solid materials: an outdated technique with a promising innovative future 1
- Masuda, S., see Motonaka, J. 87
- McCormack, T., see van Staden, J.F. 163
- Minagawa, K., see Motonaka, J. 87
- Mingorance, M.D., see Campos, E. 235
- Mishima, Y., see Motonaka, J. 87
- Molina Díaz, A., see Fernández de Córdova, M.L. 263
- Moran, R.C.C.P., see Reis, C. 269
- Morikawa, H., see Nakane, K. 79
- Motonaka, J.
—, Kageyama, S., Mishima, Y., Minagawa, K., Masuda, S. and Ikeda, S.
Determination of iron ion utilizing poly (*p*-vinylbenzoylacetone) modified micro-electrode 87
- Mottola, H.A., see Janarthanan, C. 147
- Nakane, K.
—, Uwamino, Y., Morikawa, H., Tsuge, A. and Ishizuka, T.
Determination of trace impurities in high-purity aluminium oxide by high resolution inductively coupled plasma mass spectrometry 79
- Obrezkov, O.N., see Pirogov, A.V. 47
- Ortega Barrales, P., see Fernández de Córdova, M.L. 263
- Pérez, R.
—, Rupérez, A., Laserna, J.J., Felidj, N., Laassis, B., Aaron, J.J. and Aubard, J.
A comparison of surface-enhanced Raman spectroscopic and fluorimetric detection of the phenothiazine derivative trifluoperazine and its photooxidation products 197
- Peters, A., see Lead, J.R. 171
- Petit de Peña, Y., see Gallignani, M. 57
- Pin, C., see Yang, X.-J. 17
- Pirogov, A.V.
—, Platonov, M.M., Pletnev, I.V., Obrezkov, O.N. and Shpigun, O.A.
Application of the pattern-recognition method for modelling expert estimation of chromatogram quality 47
- Platonov, M.M., see Pirogov, A.V. 47
- Pletnev, I.V., see Pirogov, A.V. 47
- Prasada Rao, T.
—, Karthikeyan, S., Vijayalekshmy, B. and Iyer, C.S.P.
Speciative determination of chromium(VI) and chromium(III) using flow-injection on-line preconcentration and flame atomic-absorption spectrometric detection 69
- Qiong, C.
—, Tuzhi, P. and Liju, Y.
Silk fibroin/cellulose acetate membrane electrodes incorporating xanthine oxidase for the determination of fish freshness 245
- Ramanathan, S.
—, Lewis, J.C., Kindy, M.S. and Daunert, S.
Heterogeneous bioluminescence binding assay for an octapeptide using recombinant aequorin 181
- Ramanathan, S.
—, Shi, W., Rosen, B.P. and Daunert, S.
Bacteria-based chemiluminescence sensing system using β -galactosidase under the control of the *ArsR* regulatory protein of the *ars* operon 189
- Regino, M.
—, Weston, C. and Brajter-Toth, A.
Effect of mobile phase composition on the electrochemical cell conversion efficiency in electrochemistry/mass spectrometry 253
- Reiner, S., see Lead, J.R. 171
- Reis, C.
—, Carlos de Andrade, J., Bruns, R.E. and Moran, R.C.C.P.
Application of the split-plot experimental design for the optimization of a catalytic procedure for the determination of CR(VI) 269
- Rosen, B.P., see Ramanathan, S. 189
- Rupérez, A., see Pérez, R. 197
- Seliskar, C.J., see Hu, Z. 93
- Shen, H., see Ali, A. 215
- Shen, W.-D., see Zhang, Y.-Q. 123
- Shi, W., see Ramanathan, S. 189
- Shih, Y., see Zen, J.-M. 103
- Shpigun, O.A., see Pirogov, A.V. 47
- Su, X., see Bao, L. 139
- Tan, H., see Bao, L. 139
- Tan, S., see Tong, A. 11
- Tanaka, S., see Tong, A. 11
- Tipping, E., see Lead, J.R. 171
- Tong, A.
—, Wu, Y., Tan, S., Li, L., Akama, Y. and Tanaka, S.
Aqueous two-phase system of cationic and anionic surfactant

- mixture and its application to the extraction of porphyrins and metalloporphyrins 11
- Tsuge, A., see Nakane, K. 79
- Tuzhi, P., see Qiong, C. 245
- Uwamino, Y., see Nakane, K. 79
- van den Hoop, M.A.G.T., see Benegas, J.C. 109
- van Staden, J.F.
— and Kluever, L.G.
Determination of sulphide in effluent streams using a solid-phase lead(II) chromate reactor incorporated into a flow-injection system 157
- van Staden, J.F.
— and McCormack, T.
Sequential-injection spectrophotometric determination of amino acids using 2,4,6-trinitrobenzenesulphonic acid 163
- Vasconcelos, M.T.S.D.
— and Almeida, C.M.R.
Electrochemical study of proton ionisation, copper(II) complexation and surfactant properties of piperazine- *N,N'*-bis[2-hydroxypropanesulfonic acid] pH buffer. Comparison with other *N*-substituted aminosulfonic acids pH buffers 115
- Vijayalekshmy, B., see Prasada Rao, T. 69
- Walcerz, I.
—, Głab, S. and Koncki, R.
Potentiometric enzyme electrode in a flow injection system for the determination of urea in human serum samples 129
- Wei, W., see Bao, L. 139
- Weston, C., see Regino, M. 253
- Wu, Y., see Tong, A. 11
- Xue, R.-Y., see Zhang, Y.-Q. 123
- Yang, X.-J.
—, Pin, C. and Fane, A.G.
Hollow fiber membrane chromatography: A novel analytical system for trace metal separation 17
- Yin, X., see Ali, A. 215
- Zen, J.-M.
—, Chen, I.-L. and Shih, Y.
Voltammetric determination of serotonin in human blood using a chemically modified electrode 103
- Zhang, Y.-Q.
—, Shen, W.-D., Gu, R.-A., Zhu, J. and Xue, R.-Y.
Amperometric biosensor for uric acid based on uricase-immobilized silk fibroin membrane 123
- Zhu, J., see Zhang, Y.-Q. 123
- Zhu, L.
—, Chen, C., Li, Y.-z. and Ci, Y.-x.
Enhancement effect of Brij-35 on the hemin-catalyzed fluorogenic reaction between hydrogen peroxide and *N,N'*-dicyanomethyl-*o*-phenylene diamine 205

